



Adoption of Antibiotic Resistance Screening Kits in Northern Ghanaian Primary Healthcare Facilities: A Perspective from Kenya

Njuguna Were^{1,2}, Oginga Kiiru³

¹ Department of Pediatrics, University of Nairobi

² Department of Pediatrics, Egerton University

³ Department of Public Health, University of Nairobi

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Correspondence: nwere@outlook.com

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Author notes

Njuguna Were is affiliated with Department of Pediatrics, University of Nairobi and focuses on Medicine research in Africa.

Oginga Kiiru is affiliated with Department of Public Health, University of Nairobi and focuses on Medicine research in Africa.

Abstract

Antibiotic resistance is a critical public health issue affecting both developed and developing countries. In northern Ghanaian primary healthcare facilities, antibiotic misuse and overuse contribute to rising rates of resistant bacterial infections. A cross-sectional study was conducted, reviewing records from to . Data were collected on facility policies and procedures related to antibiotic use and resistance screening. Only 35% of facilities implemented routine antibiotic resistance testing protocols, with a significant variation in practice between urban and rural settings. The lower adoption rate highlights gaps in healthcare infrastructure and training for proper antibiotic stewardship. Healthcare providers should prioritise the integration of routine antibiotic resistance screening into their practices to mitigate the spread of resistant infections. Treatment effect was estimated with $\text{logit}(\pi) = \beta_0 + \beta_1 X_i$, and uncertainty reported using confidence-interval based inference.

Keywords: *Sub-Saharan, AntimicrobialResistance, Screening, KnowledgeDissemination, PrimaryHealthCare, InfectiousDiseases, PublicHealthNetworking*

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